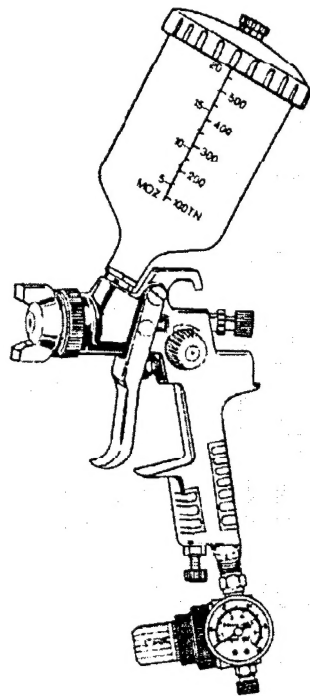


**CENTRAL PNEUMATIC®**

# **Air Spray Gun**

**High Volume, Low Pressure**

**Model 38308**



3491 Mission Oaks Blvd./Camarillo, CA 93011

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**For technical questions and replacement parts, please call 1-800-444-3353.**

## Specifications

This Spray Gun provides:

A wide fan pattern due to low pressure design.

A high transfer efficiency and fast working speed that helps save time and paint.

Less air pollution because of the reduced spray mist.

The stainless steel needle and fluid tip lets you use the spray gun with water-born materials.

The spray gun's design makes it easier to operate and maintain.

**Nozzle size:**

1.4 mm

**Required pressure:**

15-40 psi

**Required compressor:**

1 hp

**Air consumption:**

2.8 to 8.0

**Material output:**

20 to 50 cc/minute

**Air connection:**

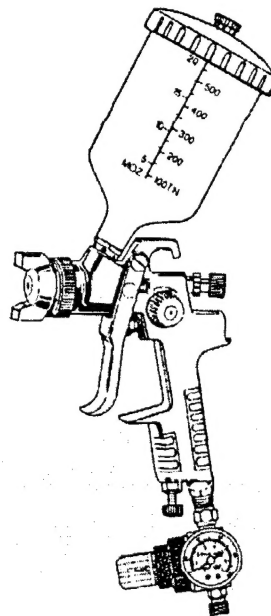
1/4 inch NPT

**Approx. weight:**

2 lbs.

**Cup size:**

20 ounces



Read these instructions before using this product, and refer to them as needed while using the Air Spray Gun. Store this manual in a safe, dry place, and keep it for future reference. Keep your invoice with this manual, and write the invoice number below.

Write your invoice number here: \_\_\_\_\_

## General safety instructions

1. **Keep your work area clean.** Cluttered areas invite injuries.
2. **Consider your work environment.** Do not use the tool in damp, wet, or poorly lit locations. Keep your work area well lit. Do not expose the tool to rain.
3. **Be aware of other people and animals.** Do not use the tool near children or animals. Keep children and animals away. Never spray directly at people or animals. Keep all visitors away from the work area. Do not let visitors handle tools.

4. **Do not operate the tool if you are under the influence of alcohol or drugs.** Read warning labels on prescription and non-prescription medications to determine if a medication impairs your judgment or reflexes. If you have any doubts, do not attempt to use the tool.
5. **Stay alert.** Pay attention to what you are doing, and use common sense. Do not operate the tool when you are tired.
6. **Dress properly.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Wear non-skid footwear when working outdoors, and wear gloves when working outdoors or working with paints or solvents. Wear protective hair covering to contain long hair.
7. **Use eye protection.** Coatings will cause eye irritation. Wear ANSI-approved chemical splash safety goggles. Goggles are available from Harbor Freight Tools.
8. **Use only recommended accessories.** Using improper accessories may increase the risk of an injury.
9. **When cleaning tools, be especially careful when using solvents.** They can be forcibly ejected from the tool's nozzle and air passages.

**WARNING:** The warnings, cautions and instructions contained in this instruction manual cannot cover all possible conditions and situations that may occur when using this tool. It must be understood that common sense and caution are factors which cannot be built into this product. These factors must be supplied by the operator.

10. **Do not over-extend or over-work the tool.** The tool does a better and safer job at the rate for which it was intended.
11. **Use the correct tool.** Do not force a small tool or attachment to do the work of a larger industrial tool. Do not use a tool for a purpose for which it was not intended.
12. **Maintain tools with care.** Keep tools clean for better and safer performance. Follow the instructions for lubricating, cleaning, and replacing parts and accessories. Keep handles dry, clean, and free from oil and grease.
13. **Store tools not being used.** When tools are not being used, store them in a dry and high or locked place out of children's reach.
14. **Do not spray near open flames, pilot lights, stoves, heaters, or any other heat source.** Most solvents and coatings are highly flammable, particularly when sprayed. Always make sure that the area you are working in has adequate ventilation.
15. **Do not smoke while working with spray tools or spray in an area where lit cigarettes or cigars are present.** Extinguish all cigarettes and cigars when painting or cleaning the spray tool.
16. **Industrial applications must follow OSHA requirements.**

17. **Read all information concerning coating products and cleaning solvents.** Chlorinated solvents, e.g., 1-1-1 Trichloroethane and Methylene Chloride (also known as methyl chloride) can chemically react with aluminum and may explode. Many paint sprayers contain aluminum. If you are in any doubt about potential chemical reactions, contact the solvent or coating manufacturer.
18. **Materials used when painting or cleaning may be harmful or fatal if inhaled or swallowed.** Always make sure that the area you are working in has adequate ventilation. Use a respirator or mask when painting or using cleaning solvents. Keep children and animals away from the area and away from any paints or solvents.
19. **Check all seals before connecting the spray gun to the air supply.**
20. **Make sure of the following:**
  - The lid is fully attached to the cup.
  - The nozzle is fully tightened.
  - The air supply is fully attached.
  - The maximum pressure is 40 psi.**
21. **Never release the lid while the cup is pressurized.**
22. **Use proper extension cords.** When an air compressor is used outdoors, use only rounded jack extension cords intended for outdoor use. See the manufacturer's manual for the gauge (AWG) required for the compressor's amperage draw.
23. **Be aware of air hoses and their connection.** Do not trip over hoses. Make sure all connections are tight.

## Unpacking the Spray Gun

Refer to figure 1 and make sure you have received one of each of these parts:

Spray gun	20 ounce non-drip plastic cup
Air regulator	Tool set (spanner, socket spanner, cleaning brush, and material sleeve).

## Assembling the Spray Gun

Refer to figure 1 and follow these steps:

**Step 1.** Place the material sleeve (#1727) into the cup connector (#1711) at the top of the gun. The plastic handle should protrude from the opening.

**Step 2.** Screw the plastic cup (#1728) onto the cup connector at the top of the gun.

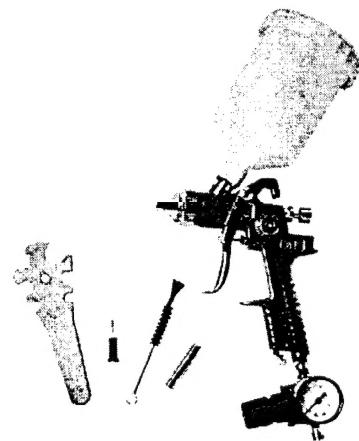


Figure 1

## Assembling the Spray Gun (continued)

**Step 3.** Screw the air regulator (#9637) onto the air connection piece (#1726) located at the base of the gun.

**Step 4.** Blow out the air supply hose by connecting it to the air compressor and then briefly turning on the air compressor.

**Step 5.** Connect the air supply hose to the air regulator.

## Preparing to use the spray gun

**Step 1.** Tighten the nozzle by using the spanner (#1730).

**Step 2.** Make sure the air regulator and the plastic cup are securely connected to the spray gun to avoid any air leakage.

**Step 3.** Carefully flush the gun with solvent.

**Step 4.** Fill the plastic cup with the material to be sprayed, and securely tighten the cup's lid.

**Step 5.** Turn on the air compressor, and press the spray gun's trigger.

**Step 6.** Adjust the spray pattern and air-to-material ratio as desired.

Adjust the jet width by rotating the fluid control knob. Open the knob by turning it counterclockwise. See figure 2.

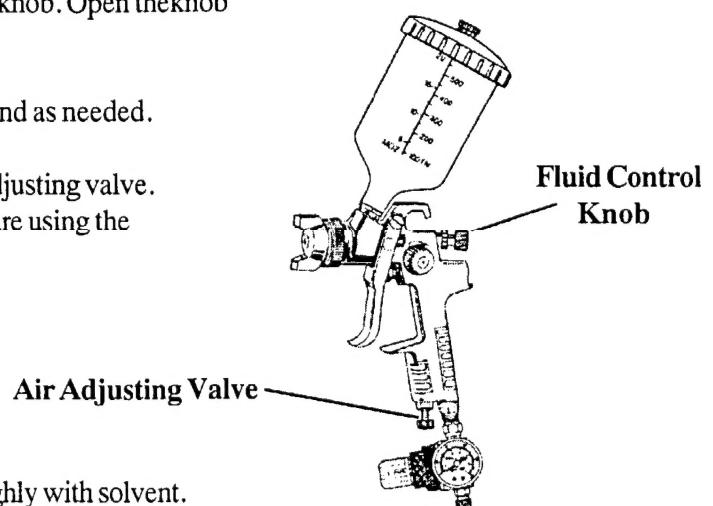
You can adjust the spray pattern from flat to round as needed.

Adjust the air-to-material ratio by using the air adjusting valve. Never remove the air adjusting valve while you are using the spray gun.

## Cleaning the spray gun

After using the spray gun, flush it thoroughly with solvent.  
Do not place the spray gun in the solvent.

Clean the air nozzle with the brush. Do not clean clogged holes with improper objects because you could damage the spray gun. Even the smallest amount of damage to the spray gun could alter its spray pattern performance. Slightly oil moveable parts.



**Figure 2**

# Troubleshooting

## Problem:

Gun leaks from the fluid nozzle - Possible Cause: Debris between the fluid nozzle and paint needle prevents sealing. Action: Clean the paint needle and fluid nozzle in thinner or use a new fluid nozzle.

Paint emerges from the needle or needle sealing -Possible Cause: The self-tensioning needle sealing is damaged or lost. Action: Replace the needle sealing.

The spray pattern is shaped like a sickle -Possible Cause: Horn air holes or air circuits are clogged. Action: Soak the nozzle in thinner, and clean the nozzle with the brush.

The spray pattern is shaped like drops or ovals - Possible Cause: Dirt is present in the paint needle tip or air outlet. Action: Turn the air nozzle 180 degrees. If the pattern is still defective, clean the paint outlet in the air nozzle.

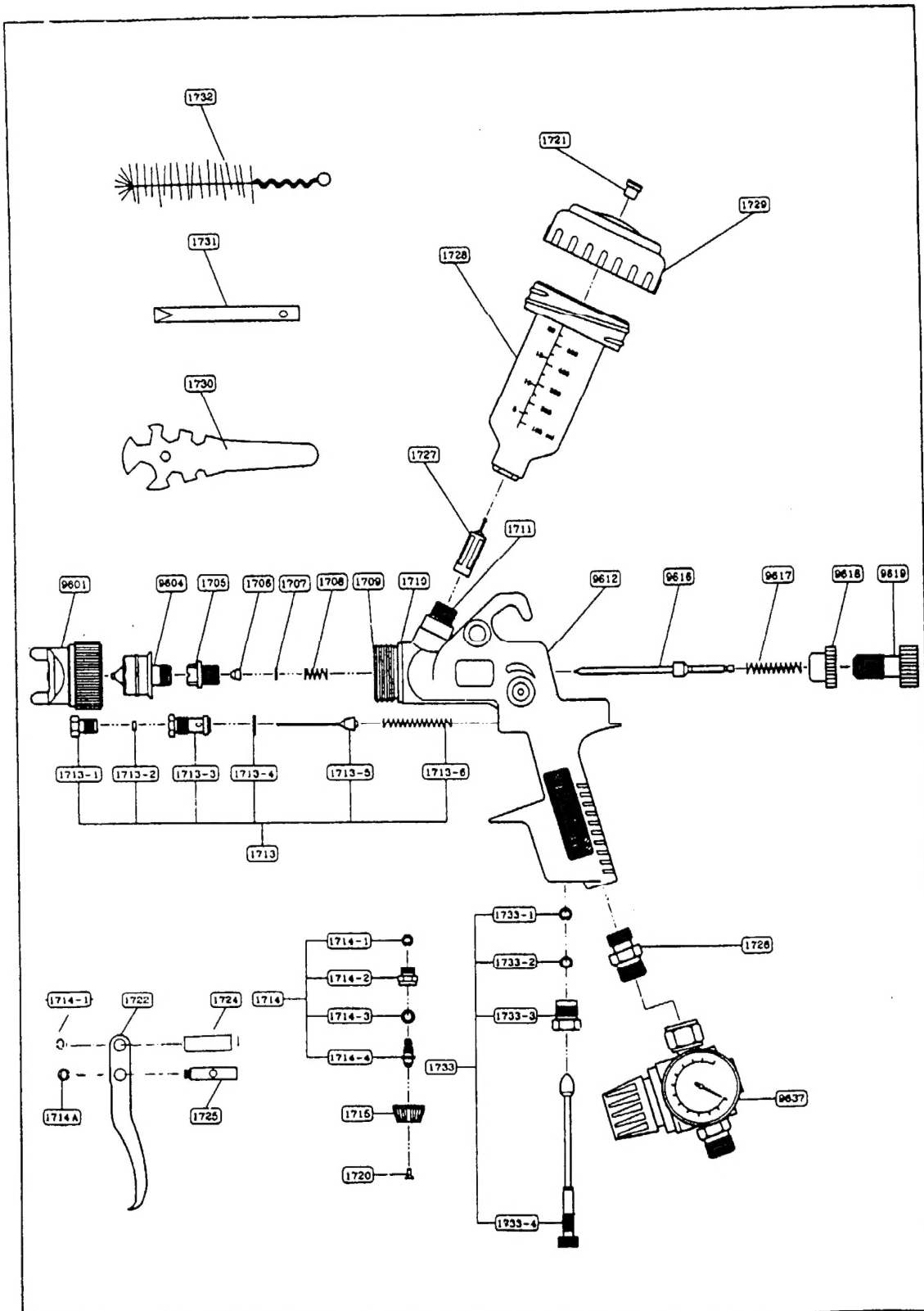
The paint spray sputters - Possible Cause: Too little material is in the cup, the fluid nozzle is not tight, the needle sealing is damaged, or the nozzle set is dirty or damaged. Action: Refill the material, tighten parts, and if necessary, clean or replace parts.

Material bubbles or “boils” in the cup - Possible Cause: Atomization air flows through the paint channel to the cup. The fluid nozzle is not tight enough, the air nozzle is not completely screwed in, the air net is clogged, the seat is defective, or the nozzle insert is damaged. Action: Tighten parts accordingly; clean or replace the parts.

## Replacing the self tensioning seals:

A Teflon seal (#1706) is used for the needle seal. The needle packing is sealed with a self-tensioning compression spring. Use the socket spanner (#1731) to change the packing.

# Parts Diagram



# PARTS LIST

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
9601	Air Nozzle W/Brass Cap	9619	Fluid Control Knob
9604	Fluid Nozzle	1720	Countersunk Screw
1705	Packing Screw for Paint Needle	1722	Trigger
1706	Teflon Seal	1723	Screw
1707	Washer	1724	Pin
1708	Spring	1725	Pin
1709	Brass Ring	1726	Air Connection Piece 1/4" BSP
1710	Gasket	1727	Material Sleeve
1711	Connector for 0.6 Cup	1728	Plastic Cup
9612	Gun Body	1729	Cover
1713	Air Valve Assembly	1721	Non-drip Control device
1714	Stepless Regulation for round and Fiat Spray	1730	Spanner
1714-1	E-Ring	1731	Socket Spanner
1715	Control Knob	1732	Brush
9616	Paint Needle Complete	1733	Air Adjusting Valve Ass'y
9617	Spring for Paint Needle	9637	Regulator
9618	Lockout for Fluid Control Knob		